

**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q77832

Hideki OHATA, et al.

Appln. No.: 10/573,415

Group Art Unit: 1711

Confirmation No.: 2945

Examiner: Unknown

Filed: November 20, 2006

For:  $\pi$ -CONJUGATED COPOLYMER, PRODUCTION METHOD THEREOF, AND  
CAPACITOR USING THE COPOLYMER

**REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT**

**ATTN:** Office of Initial Patent Examination  
Filing Receipt Correction  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We enclose a copy of the Official Filing Receipt for the above-identified application and request the following correction:

**Title**

$\pi$ -Conjugated copolymer, production method thereof, and capacitor using the copolymer

Verification for the requested correction is indicated on the Executed Assignment and Declaration and Power of Attorney filed November 20, 2006.

Respectfully submitted,



Bruce E. Kramer  
Registration No. 33,725

SUGHRUE MION, PLLC  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: June 22, 2007



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
2500 E. STREET  
Alexandria, Virginia 22313-4430  
www.uspto.gov

APPL. NO.	FILING OR 371(G) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLMS	IND CLMS
10/573,415	11/20/2006	1711	1630	Q77832	32	3

23373  
SUGHRUE MION, PLLC  
2100 PENNSYLVANIA AVENUE, N.W.  
SUITE 800  
WASHINGTON, DC 20037

CONFIRMATION NO. 2845

## CORRECTED FILING RECEIPT



\*0000000023777854\*

Date Mailed: 05/09/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Hideki Ohata, Chiba, JAPAN;  
Yoshihiro Saida, Chiba, JAPAN;  
Shuichi Naljo, Chiba, JAPAN;

## Assignment For Published Patent Application

SHOWA DENKO K.K., Tokyo, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 23373.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/14444 09/24/2004  
which claims benefit of 60/508,868 10/07/2003

## Foreign Applications

JAPAN 2003-332653 09/25/2003

If Required, Foreign Filing License Granted: 02/23/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/573,415**

Projected Publication Date: 06/07/2007

Non-Publication Request: No

Early Publication Request: No

Title


 Title — Conjugated copolymer, production method thereof and capacitor using the copolymer

Preliminary Class

525

### PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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### LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

### GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 C.F.R. 1.63)

## 特許出願宣言書および委任状(37 C.F.R. 1.63)

### Japanese Language Declaration

私は以下の通り宣言します:

I hereby declare that:

各発明者の住所、郵便先、および国籍は下記氏名の後に記載された通りです。

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

下記名称の発明に関し請求範囲に記載され特許出願がされている発明内容につき、下記に記載された発明者が本来かつ最初の発明者であると信じます。

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EX -CONJUGATED COPOLYMER PRODUCTION  
METHOD THEREOF AND CAPACITOR USING THE  
COPOLYMER

☐ 上記発明の明細書は本書に添付されます。

☐ the specification of which is attached hereto

または

OR

☐ 上記発明は米国出願番号あるいは PCT 国際出願番号 \_\_\_\_\_ (確認番号 \_\_\_\_\_) として \_\_\_\_\_ 年 \_\_\_\_\_ 月 \_\_\_\_\_ 日に出版され、  
\_\_\_\_\_ 年 \_\_\_\_\_ 月 \_\_\_\_\_ 日に補正されました (該当する場合)。

☒ was filed on September 24, 2004  
as United States Application Number or PCT  
International Application Number PCT/JP2004/014444  
(Confirmation No. \_\_\_\_\_),  
and was amended on \_\_\_\_\_  
(if applicable).

私は補正が上に明示された場合は補正された特許請求範囲を含む前記明細書の内容を検討し、理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

私は一部継続出願の場合先行出願の出願日から一部継続出願の国内あるいは PCT 国際出願日までの期間中に入手された重要な情報を含み、37 C.F.R. 1.56 に定義される特許性に関する情報について開示義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part application(s), material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

# Japanese Language Declaration

私は 35 U.S.C. 119(a)-(d) あるいは (f), または 365(b) に基づき特許、発明者、あるいは植物育種家証書の下記外国出願、または 365(a) に基づきアメリカ合衆国以外の少なくとも 1 か国を指定した下記 PCT 国際出願についての外国優先権特許をここに主張するとともに、下記項目に「X」印を付けることにより優先権を主張する出願以降の出願日を有する特許、発明者、あるいは植物育種家証書の外国出願または PCT 国際出願を示します。

Prior Foreign Application Number(s)  
先行外国出願番号

2003-332653

(Application Number)  
(出願番号)

Japan

(Country)  
(国名)

September 25, 2003

(Filing Date)  
(出願日)

Priority Claimed?  
優先権の主張 ?

Yes No  
有り無し  
☒ ☐

(Application Number)  
(出願番号)

(Country)  
(国名)

(Filing Date)  
(出願日)

☐ ☐

私は 35 U.S.C. 119(e) に基づき下記の米国優先特許出願の国内優先権をここに主張します。

60/508,868

(Application Number)  
(出願番号)

October 7, 2003

(Filing Date)  
(出願日)

(Application Number)  
(出願番号)

(Filing Date)  
(出願日)

私は 35 U.S.C. 120 に基づき下記米国特許出願、あるいは 365(a) に基づき米国を指定する下記 PCT 国際出願の利益をここに主張し、本特許出願内特許請求範囲の各項目の内容が 35 U.S.C. 112 の最初の項に規定される方法により先行米国あるいは PCT 国際特許出願で開示されていない限りにおいて、37 C.F.R. 1.56 に定まれる本出願の特許性に於いて、先行特許出願の出願日から本特許出願の国内あるいは PCT 国際出願日までの期間中に入手された情報について開示義務があることを認めます。

Prior U.S. or International Application Number(s)  
先行米国あるいは国際出願番号

(Application Number)  
(出願番号)

(Filing Date)  
(出願日)

(Status: patented, pending, abandoned)  
(状態: 特許成立済、係属中、放棄済)

(Application Number)  
(出願番号)

(Filing Date)  
(出願日)

(Status: patented, pending, abandoned)  
(状態: 特許成立済、係属中、放棄済)

私は本宣言書内で私自身の知識に基づいてなされたすべての陳述が真実であり、情報および信ずるところに基づいてなされたすべての陳述が真実であると信じられていることをここに宣言し、さらに故意になされた虚偽の陳述等は 18 U.S.C. 1001 に基づき罰金あるいは拘禁または両方による処罰にあたり、またかような故意による虚偽の陳述はそれに基づく特許出願あるいは成立特許の有効性を危くする可能性があることを認識した上でこれらの陳述をなしたことを宣言します。

I hereby claim benefit under 35 U.S.C. 120 of any United States application(s) or 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge my duty to disclose any information material to the patentability of this application as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

# Japanese Language Declaration

委任状：私は下記の米国特許商標局 (USPTO) 顧客番号のもとに記載される SUGHRUE MION 法律事務所すべての弁護士を、同顧客番号のもとに記載される個々の弁護士は Sughrue Mion 法律事務所からの自由裁量に基づき変更され得ることを認識した上で、本特許出願の手續きおよびそれに關わる米国特許商標局との業務を遂行する弁護士として指名し、本特許出願に關するすべての通信が同 USPTO 顧客番号のもとに提出された住所宛に送付されることを要請します。

POWER OF ATTORNEY: I hereby appoint all attorneys of SUGHRUE MION, PLLC who are listed under the USPTO Customer Number shown below as my attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Sughrue Mion, PLLC, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number.

## STATEMENT OF ACCURATE TRANSLATION IN ACCORDANCE WITH 37 C.F.R. §1.69(b):

The declaration and power of attorney is an accurate translation of the corresponding English language declaration and power of attorney.

Signature

Date

*[Signature]*  
04/09/2006

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

電話連絡は下記へ：

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### NAME OF SOLE OR FIRST INVENTOR:

唯一あるいは第一の発明者名

Given Name (first and middle [if any])

名 (名およびミドルネーム [該当する場合は])

Hideki

Family Name or Surname

姓

OHATA

Inventor's signature

発明者の署名

*Hideki Ohata*

Date

日付

February 28, 2006

Residence:

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### NAME OF SECOND INVENTOR:

第二の発明者名:

Given Name (first and middle [if any])

名 (名およびミドルネーム [該当する場合は])

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Family Name or Surname

姓

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Inventor's signature

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<b>NAME OF THIRD INVENTOR:</b> 第三の発明者名:			
Given Name (first and middle [if any]) 名 (名およびミドルネーム [該当する場合])		Family Name or Surname 姓	
Shuichi		NALIO	
Inventor's signature 発明者の署名		Date 日付	February 28, 2006
Shuichi Nalio			
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CHIBA, JAPAN		JAPAN	
Mailing Address: 郵送先: c/o Corporate R&D Center, SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Midori-ku, Chiba-shi, CHIBA 267-0056 JAPAN			
<b>NAME OF FOURTH INVENTOR:</b> 第四の発明者名:			
Given Name (first and middle [if any]) 名 (名およびミドルネーム [該当する場合])		Family Name or Surname 姓	
Inventor's signature 発明者の署名		Date 日付	
Residence: 住所:		Citizenship 国籍	
Mailing Address: 郵送先:			
<b>NAME OF FIFTH INVENTOR:</b> 第五の発明者名:			
Given Name (first and middle [if any]) 名 (名およびミドルネーム [該当する場合])		Family Name or Surname 姓	
Inventor's signature 発明者の署名		Date 日付	
Residence: 住所:		Citizenship 国籍	
Mailing Address: 郵送先:			
<b>NAME OF SIXTH INVENTOR:</b> 第六の発明者名:			
Given Name (first and middle [if any]) 名 (名およびミドルネーム [該当する場合])		Family Name or Surname 姓	
Inventor's signature 発明者の署名		Date 日付	
Residence: 住所:		Citizenship 国籍	
Mailing Address: 郵送先:			
<b>NAME OF SEVENTH INVENTOR:</b> 第七の発明者名:			
Given Name (first and middle [if any]) 名 (名およびミドルネーム [該当する場合])		Family Name or Surname 姓	
Inventor's signature 発明者の署名		Date 日付	
Residence: 住所:		Citizenship 国籍	
Mailing Address: 郵送先:			